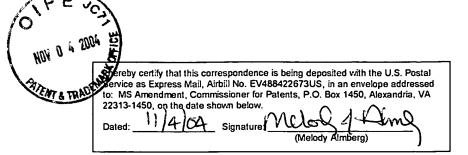
HOV 0 4 2004 E

IfW

PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 10/770,256-Conf. #9618 Filing Date TRANSMITTAL February 2, 2004 First Named Inventor **FORM** Thomas E. Speer Art Unit 3661 (to be used for all correspondence after initial filing) Examiner Name Not Yet Assigned Attorney Docket Number 7 030048104US Total Number of Pages in This Submission ENCLOSURES (Check all that apply) After Allowance communication Fee Transmittal Form Drawing(s) to Technology Center (TC) Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to TC Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final **Provisional Application** Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address X Other Enclosion Identify below): Other Enclosure(s) (please **Extension of Time Request** Terminal Disclaimer Return Receipt Postcard; SB08 (4 **Express Abandonment Request** Request for Refund Pages); References Cited (19 Enclosed) X | Information Disclosure Statement CD, Number of CD(s) Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT PERKINS COIE LLP Firm Tim R. Seeley – Reg No. 53,575 Individual name Signature Date

	ce is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV488422673US, endment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date
shown below. Dated: 11 4 64	Signature: Mula of Chal (Melody Almberg)



Docket No.: 030048104US Client Ref No. 03-0850

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Thomas E. Speer

Application No.: 10/770,256

Filed: February 2, 2004 Art Unit: 3661

For: VEHICLE CONTROL SYSTEMS AND

CORRESPONDING SIZING METHODS

Examiner: Not Yet Assigned

Confirmation No.: 9618

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of only the foreign patents and non patent literature documents is attached.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

Application No.: 10/770,256 Docket No.: 030048104US

application by this firm) to our Deposit Account No. 50-0665, under Order No. 030048104US.

Dated: Nov 4, 2004

Respectfully submitted,

By Top Suluy Tim R. Seeley

Registration No.: 53,575

PERKINS COIE LLP

P.O. Box 1247

Seattle, Washington 98111-1247

(206) 359-8000

(206) 359-7198 (Fax)

Attorney for Applicant



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE spond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

4 Sheet of

RMATION DISCLOSURE			Complete if Known		
			Application Number	10/770,256-Conf. #9618	
			Filing Date	February 2, 2004	
EMENT BY APPLICANT		First Named Inventor	Thomas E. Speer		
			Art Unit	3661	
(Use as many sheets as necessary)		Examiner Name	Not Yet Assigned		
1	of	4	Attorney Docket Number	030048104US	

Document Number Number-Kind Code ² (il known) US-1,770,575 US-10/746,883 US-10/746,912 US-10/787,644 US-10/788,749 US-10/814,369 US-10/814,494 US-10/815,034 US-2,387,492 US-2,422,296 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,891,740 US-2,990,144 US-2,990,145	Publication Date MM-DD-YYYY 07-15-1930 10-23-1945 06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959 01-12-1960	Flader et al. Erny Fenzl Feeney et al. Taylor	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
US-1,770,575 US-10/746,883 US-10/746,912 US-10/787,644 US-10/787,644 US-10/814,369 US-10/814,494 US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,891,740 US-2,990,144 US-2,990,145	10-23-1945 06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Ksoll Boorman Boorman Tafs et al. Sandell et al. Chen et al. Gunn et al. Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	гушез-үреа
US-10/746,883 US-10/746,912 US-10/787,644 US-10/798,749 US-10/814,369 US-10/814,494 US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,864,239 US-2,990,144 US-2,990,145	10-23-1945 06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Boorman Boorman Tafs et al. Sandell et al. Chen et al. Gunn et al. Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-10/746,912 US-10/787,644 US-10/798,749 US-10/814,369 US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,665,084 US-2,864,239 US-2,864,239 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Boorman Tafs et al. Sandell et al. Chen et al. Gunn et al. Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-10/787,644 US-10/798,749 US-10/814,369 US-10/814,494 US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,864,239 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Tafs et al. Sandell et al. Chen et al. Gunn et al. Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-10/798,749 US-10/814,369 US-10/814,494 US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,864,239 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Sandell et al. Chen et al. Gunn et al. Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-10/814,369 US-10/814,494 US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Chen et al. Gunn et al. Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-10/814,494 US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Gunn et al. Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-10/815,034 US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Crane et al. Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-2,387,492 US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Blaylock et al. Flader et al. Erny Fenzl Feeney et al. Taylor	
US-2,422,296 US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	06-17-1947 01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Flader et al. Erny Fenzl Feeney et al. Taylor	
US-2,458,900 US-2,652,812 US-2,665,084 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	01-11-1949 09-22-1953 01-05-1954 12-16-1958 06-23-1959	Erny Fenzl Feeney et al. Taylor	
US-2,652,812 US-2,665,084 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	09-22-1953 01-05-1954 12-16-1958 06-23-1959	Fenzl Feeney et al. Taylor	
US-2,665,084 US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	01-05-1954 12-16-1958 06-23-1959	Feeney et al. Taylor	
US-2,864,239 US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	12-16-1958 06-23-1959	Taylor	
US-2,891,740 US-2,920,844 US-2,990,144 US-2,990,145	06-23-1959		1
US-2,920,844 US-2,990,144 US-2,990,145		1 O a a a a b a ll	
US-2,990,144 US-2,990,145	01-12-1960		
US-2,990,145			
	06-27-1961	Hougland	
	06-27-1961	Hougland	
US-2003-0058134		Lance Sherry	
US-2003-0132860	07-17-2003	Thea Feyereisen	
US-2004-0004162	01-08-2004	Kevin Beyer	
US-2004-0059474	03-25-2004	Daniel Boorman	
US-3,102,607	09-03-1963	Roberts	
US-3,112,089	11-26-1963	Dornier	
US-3,191,147	06-22-1965	Majendie	
US-3,375,998		Alvarez-Calderon	
US-3,447,763	06-03-1969		
US-3,504,870	04-07-1970	Cole et al.	
US-3,556,439	01-19-1971		
			
105-4.189.120	102-19-1900		
	US-3,704,828 US-3,704,843 US-3,743,219 US-3,794,276 US-3,831,886 US-3,836,099 US-3,862,730 US-3,910,530 US-3,910,530 US-3,941,334 US-3,944,341 US-3,994,451 US-4,015,787 US-4,117,996 US-4,117,787 US-4,171,787 US-4,189,120	US-3,704,828 12-05-1972 US-3,704,843 12-05-1972 US-3,743,219 07-03-1973 US-3,794,276 02-26-1974 US-3,831,886 08/1974 US-3,836,099 09/1974 US-3,837,601 09-24-1974 US-3,862,730 01-28-1975 US-3,910,530 10-07-1975 US-3,941,334 03-02-1976 US-3,941,341 03-02-1976 US-3,994,451 11-30-1976 US-4,015,787 04-05-1977 US-4,117,996 10-03-1978 US-4,131,253 12-26-1978 US-4,171,787 10-23-1979	US-3,704,828 12-05-1972 Studer et al. US-3,704,843 12-05-1972 Jenny US-3,743,219 07-03-1973 Gorges US-3,794,276 02-26-1974 Maltby et al. US-3,831,886 08/1974 Burdges et al. US-3,836,099 09/1974 O'Neill et al. US-3,837,601 09-24-1974 Cole US-3,862,730 01-28-1975 Heiney US-3,910,530 10-07-1975 James et al. US-3,941,334 03-02-1976 Cole US-3,941,341 03-02-1976 Brogdon, Jr. US-3,994,451 11-30-1976 Cole US-4,015,787 04-05-1977 Maieli et al. US-4,117,996 10-03-1978 Sherman US-4,131,253 12-26-1978 Zapel US-4,171,787 10-23-1979 Zapel

Subs	titute for form 1449A/B/	PTO		Complete if Known		
0000				Application Number	10/770,256-Conf. #9618	
IN	FORMATIO	N DIS	CLOSURE	Filing Date	February 2, 2004	
S	STATEMENT BY APPLICANT			First Named Inventor	Thomas E. Speer	
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Art Unit	3661	
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned	
Sheet	2	of	4	Attomey Docket Number 030048104US		

US-4,189,121	02-19-1980	Harper et al.
US-4,189,122	02-19-1980	Miller
US-4,200,253	04/1980	Rowarth
US-4,247,843	01-27-1981	HARRY MILLER
US-4,262,868	04-21-1981	ROY D. DEAN
US-4,275,942	06-30-1981	Steidl
US-4,285,482	08-25-1981	
US-4,293,110	10-06-1981	WILBUR DUFF MIDDLETON
US-4,312,486	01-26-1982	MAURICE E. MC KINNEY
US-4,325,123		DONALD A. GRAHAM
US-4,351,502	09-28-1982	FRANK D. STATKUS
US-4,368,937		Palombo et al.
US-4,427,168	01-24-1984	MAURICE E. MC KINNEY
US-4,461,449	07-24-1984	Turner
US-4,471,927		PETER K. C. RUDOLPH
US-4,475,702		JAMES B. COLE
US-4,485,992		DHANVADA M. RAO
US-4,496,121		J. BURTON BERLIN
US-4,553,722		JAMES B. COLE
US-4,575,030		LOUIS B. GRATZER
US-4,650,140		JAMES B. COLE
US-4,700,911		HERBERT ZIMMER
US-4,702,441		TIMOTHY WANG
US-4,706,913	11-17-1987	JAMES B. COLE
US-4,717,097	01-05-1988	JAMES L. SEPSTRUP
US-4,784,355		GERALD T. BRINE
US-4,786,013		ULRICH POHL
US-4,856,735		MICHAEL LOTZ
US-4,860,007	08-22-1989	MICHAEL L. KONICKE
US-4,899,284	01-01-2001	GEORGE E. LEWIS
US-4,962,902	10-16-1990	RUDY F. FORTES
US-5,088,665	02-18-1992	PAUL M. H. W. VIJGEN
US-5,094,412	03-10-1992	JIMMY C. NARRAMORE
US-5,100,082	03-31-1992	RALPH ARCHUNG
US-5,114,100	05-19-1992	PETER K. C. RUDOLPH
US-5,129,597	07-14-1992	HEINZ MANTHEY
US-5,158,252	10-27-1992	SEIYA SAKURAI
US-5,167,383		YOSHIO NOZAKI
US-5,203,619	04-20-1993	JOHN H. WELSCH
US-5,244,269		MICHAEL HARRIEHAUSEN
US-5,351,914	10-04-1994	TORU NAGAO
US-5,420,582	05-30-1995	WOLFGANG KUBBAT
US-5,441,218	08-15-1995	HANS-JUERGEN MUELLER
US-5,474,265		PATRICK CAPBERN
US-5,535,852	07-16-1996	DAVID J. BISHOP
US-5,544,847	08-13-1996	WAYNE T. BLIESNER
US-5,600,220	02-04-1997	BRUNO THORAVAL
US-5,609,020		JOHN JACKSON
US-5,715,163	102-03-1998	ERIC S. BANG

Examiner	Date	
Signature	Considered	

	Under the Paperv	vork Reducti	on Act of 1995, no persons are re	U.S. Patent and Tra	PTO/SB/08a/b (08-03) pproved for use through 07/31/2006. OMB 0651-0031 idemark Office; U.S. DEPARTMENT OF COMMERCE f information unless it contains a valid OMB control number.
Sub	estitute for form 1449A/B	PTO	<u>-</u>		Complete if Known
Substitute for form 17757 on 10				Application Number	10/770,256-Conf. #9618
INFORMATION DISCLOSURE				Filing Date	February 2, 2004
STATEMENT BY APPLICANT			APPLICANT	First Named Inventor	Thomas E. Speer
				Art Unit	3661
(Use as many sheets as necessary)			necessary)	Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	030048104US

US-5,743,490	04.28.1008	GARY D. GILLINGHAM	
US-5,745,490		GEORG DOMENIG	· · · · · · · · · · · · · · · · · · ·
US-5,875,998	01-01-2001		
US-5,927,656		MICHAEL J. HINKLEMAN	
US-5,934,615		KURT E. TREICHLER	
US-5,978,715		MICHEL BRIFFE	
US-6,015,117		MICHAEL C. BROADBENT	
US-6,045,204		JOE K. FRAZIER	
US-6,057,786		MICHEL BRIFFE	
US-6,073,624		ULF LAURENT	
US-6,076,776		ELMAR J. BREITBACH	
US-6,085,129	07-04-2000	MICHAEL T. SCHARDT	
US-6,109,567	08-29-2000	MANUEL MUNOZ	
US-6,112,141	08-29-2000	MICHEL BRIFFE	
US-6,161,801	01-01-2001	ROLAND KELM	
US-6,188,937	02-13-2001	LANCE C. SHERRY	
US-6,213,433		Cynthia Gruensfelder	
US-6,293,497		ROBERT H. KELLEY-WICKEMEYER	
US-6,328,265	12-11-2001	FARUK DIZDAREVIC	
US-6,349,798	02-26-2002	RICHARD JOHN MCKAY	
US-6,364,254	04-02-2002	Peter May	
US-6,375,126		Seiya Sakurai	
US-6,389,333	05-14-2002	R. JOHN HANSMAN	
US-6,443,394	09-03-2002	Norbert Weisend	
US-6,484,969	08-09-2001	Wilfried Sprenger	
US-6,547,183	02-06-2003	Jeffrey Farnsworth	
US-6,554,229	04-29-2003	Lawrence Lam	
US-6,598,829	10-24-2002	Paulus Kamstra	
US-6,598,834	01-17-2002	James Nettle	
US-6,601,801	08-05-2003	Clayton Prow	
US-6,625,982		Dominique Van Den Bossche	
US-6,644,599	08-01-2002		
US-6,745,113	12-11-2003	John Griffin	
US-6,796,534	09-28-2004	Kevin Beyer	

		FOREI	GN PATENT	DOCUMENTS											
Examiner Initials*	Cite No.1									Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY		Patentee or Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		EP-0 103 038	03-21-1984	The Boeing Co	ompany										
		EP-0 370 640	05-30-1990	Smiths Industr Co	ies Public Ltd										
-		EP-0 489 521	06-10-1992	Smiths Industr Co	ies Public Ltd										
		EP-0 947 421	10-06-1999	British Aerospace Public Ltd											
		GB-2 144 688A	03-13-1985	British Aerosp Company	ace Public Ltd										
		GB-886,136	01-03-1962	Majendie											
	_	WO-02/24530	03-28-2002	Honeywell Inte	ernational Inc.										
Examiner Signature				1-	Date Considered										

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sut	estitute for form 1449A/B/PT	0		Complete if Known			
				Application Number	10/770,256-Conf. #9618		
l IN	NFORMATION	I DI	SCLOSURE	Filling Date	February 2, 2004		
S	STATEMENT BY APPLICANT			First Named Inventor	Thomas E. Speer		
				Art Unit	3661		
	(Use as many sheets as necessary)			Examiner Name	Not Yet Assigned		
Sheet	4	of	4	Attorney Docket Number	030048104US		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those patent(s) or publication(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(e)) because that application was filed after June 30, 2003. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the wo-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the a ppropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	-	777 High Lift System, 777 Maintenance Manual, Publication Date: Circa 1994 (1 page)	
	1	777 Transmission - Typical, 777 Maintenance Manual, Publication Date: Circa 1994 (1 page)	
	1	A320 Hinterkantem-Klappen-Verstell System, Trailing Edge Flap System, SAE Presentation, Publication Date: Circa 1990 (1 page)	
	1	A340 Flight Controls, SAE Presentation, Publication Date: Circa 1995 (1 page)	
		Boeing, 777 Aircraft Maintenance Manual, September 5, 2002 (page 39)	
	1	DRELA, Mark, "Design and Optimization Method for Multi-Element Airfoils," MIT Department of Aeronautics and Astronautics, Copyright 1993 American Institute of Aeronautics and Astronautics, Inc. (pgs 1-11)	
	,	European Search Report for European Patent Application No. EP 03 07 7840, The Boeing Company, November 4, 2003 (2 pgs)	
		Flap Drive System, 777 Maintenance Manual, Publication Date: Circa 1994 (1 page)	
	1	Flap Transmission and Support, 777 Maintenance Manual, Publication Date: Circa 1994 (1 page)	
		International Search Report, PCT/US03/19724/ September 11, 2003, 5 pages	
	,	MOOG, Component Maintenance Manual, May 1994 (2 pages)	
	,	NIU, Chen-Yen, Airframe Structural Design, Chen-Yeun Niu, Conmilit Press, 1988 (1 page)	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date	
Signature	 Considered	

^{&#}x27;Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.